

Docket No. 0039-7451-2S REISSUE  
IN RE APPLICATION OF: NAOHISA KAMIYAMA  
SERIAL NO: 09/458,235  
FILED: DECEMBER 9, 1999  
FOR: ULTRASOUND DIAGNOSTIC APPARATUS AND METHOD

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:  
Transmitted herewith is an amendment in the above-identified application.

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- ☒ No additional fee is required  
☐ Small entity status of this application under 37 C.F.R. §1.9 and §1.27 is claimed.  
☒ Additional documents filed herewith: Executed Supplemental Reissue Declaration

The Fee has been calculated as shown below:

CLAIMS	CLAIMS REMAINING		HIGHEST NUMBER PREVIOUSLY PAID	NO. EXTRA CLAIMS	RATE	CALCULATIONS
TOTAL	88	MINUS	88	0	x \$18 =	\$0.00
INDEPENDENT	26	MINUS	26	0	x \$84 =	\$0.00
		<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS			+ \$280 =	\$0.00
		TOTAL OF ABOVE CALCULATIONS				\$0.00
		<input type="checkbox"/> Reduction by 50% for filing by Small Entity				\$0.00
		<input type="checkbox"/> Recordation of Assignment			+ \$40 =	\$0.00
		TOTAL				\$0.00

☐ A check in the amount of \$0.00 is attached.

☒ Please charge any additional Fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit Account No. 15-0030. A duplicate copy of this sheet is enclosed.

☒ If these papers are not considered timely filed by the Patent and Trademark Office, then a petition is hereby made under 37 C.F.R. §1.136, and any additional fees required under 37 C.F.R. §1.136 for any necessary extension of time may be charged to Deposit Account No. 15-0030. A duplicate copy of this sheet is enclosed.

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DOCKET NO: 0039-7451-2S REISSUE

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF :  
NAOHISA KAMIYAMA : EXAMINER: JAWORSKI, F.  
SERIAL NO: 09/458,235 :  
FILED: DECEMBER 9, 1999 : GROUP ART UNIT: 3737  
FOR: ULTRASOUND DIAGNOSTIC :  
APPARATUS AND METHOD :

SUPPLEMENTAL AMENDMENT

10/C

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Supplemental to the Amendment filed Nov. 4, 2002 and Supplemental Amendment  
filed June 24, 2003, please further amend the above-identified patent application as follows:

IN THE CLAIMS

Please amend Claim 50 as shown in clean form below

50. (Amended) An ultrasound diagnostic apparatus comprising:

a transducer configured to transmit in response to a drive signal an ultrasound signal  
to a region of a human body having a shadow agent with implanted bubbles and to generate  
an echo signal corresponding to an ultrasound echo from the human body;

a transmit driver coupled to the transducer and configured to apply to said transducer  
a sequence of said drive signals having a sufficiently low first power during a first time  
period so that said transducer transmits said ultrasound signal at a first power level during  
said first time period to allow a substantial number of bubbles to remain in said region of said